



SHAVING CREAM RAIN

SCIENCE SAFETY

PLEASE follow these safety precautions when doing any science experiment.

- **ALWAYS** have an adult present.
- **ALWAYS** wear the correct safety gear while doing any experiment.
- **NEVER** eat or drink anything when performing any experiment.
- **REMEMBER** experiments may require marbles, small balls, balloons, and other small parts. Those objects could become a CHOKING HAZARD. Adults are to perform those experiments using these objects. Any child can choke or suffocate on uninflated or broken balloons. Keep uninflated or broken balloons away from children.

INGREDIENTS

- Barbasol Shaving Cream
- Blue Food Coloring
- Cold Water
- Transparent Cup

INSTRUCTIONS

STEP 1: Fill the transparent cup $\frac{3}{4}$ of the way with cold water.

Eye Safety



This symbol appears when a danger to the eyes exists. Safety goggles should be worn when this symbol appears.

STEP 2: Spray the Barbasol shaving cream on top of the cold water.

Eye Safety



This symbol appears when a danger to the eyes exists. Safety goggles should be worn when this symbol appears.

STEP 3: Squeeze several drops of the blue food coloring on top of the Barbasol shaving cream and observe.

Eye Safety



This symbol appears when a danger to the eyes exists. Safety goggles should be worn when this symbol appears.



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EXPLANATION

The shaving cream represents the cloud and the blue food coloring represents the rain. As the water droplets inside a cloud continue to grow, they eventually become heavy enough to fall to earth. The same thing is happening in this experiment. The shaving cream becomes so saturated, the blue food coloring eventually pushes through into the cold water. The molecules in the cold water are moving slowly, therefore it takes longer for the blue food coloring to spread throughout the water. This makes the blue food coloring look like streams as it pushes into the water.